

## ABSTRACT

**[0036]** The present invention is an installation script generation engine. An application component distribution system can include a repository of semantic models for interdependent ones of application components. A mapping of individual listings in the semantic models to target platform specific installation instructions further can be included. Finally, a script generation engine can be configured to produce a target specific set of instructions for a specified application component based upon a mapping of at least one of the semantic models in the repository. Notably, each of the semantic models can include a listing of component relationships, target platform requirements and platform neutral installation instructions. Moreover, the component relationships can include at least one component relationship selected from the group consisting of a containment relationship, a usage relationship, a contradiction relationship, and an equivalence relationship. Finally, a Web services interface to the repository can be configured to permit remote access to the repository.